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| <b>Notice of Allowability</b> | <b>Application No.</b> | <b>Applicant(s)</b> |  |
|                               | 10/738,549             | GOLZARIAN ET AL.    |  |
|                               | <b>Examiner</b>        | <b>Art Unit</b>     |  |
|                               | George Nguyen          | 3723                |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Applicant's amendment filed on April 27, 2005.
2. ☒ The allowed claim(s) is/are 1-33.
3. ☒ The drawings filed on 17 December 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

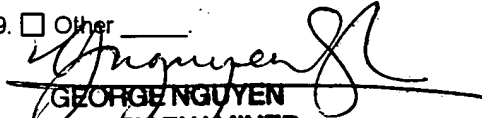
\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

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| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br/>Paper No./Mail Date _____</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li> <li>6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date <u>Attached</u>.</li> <li>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____</li> </ol> |
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 GEORGE NGUYEN  
 PRIMARY EXAMINER

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Mark McClure on June 09, 2005.

The application has been amended as follows:

In claim 1, line 6, after "cylindrical" deleted "polishing pad" and substituted thereof "conditioning piece".

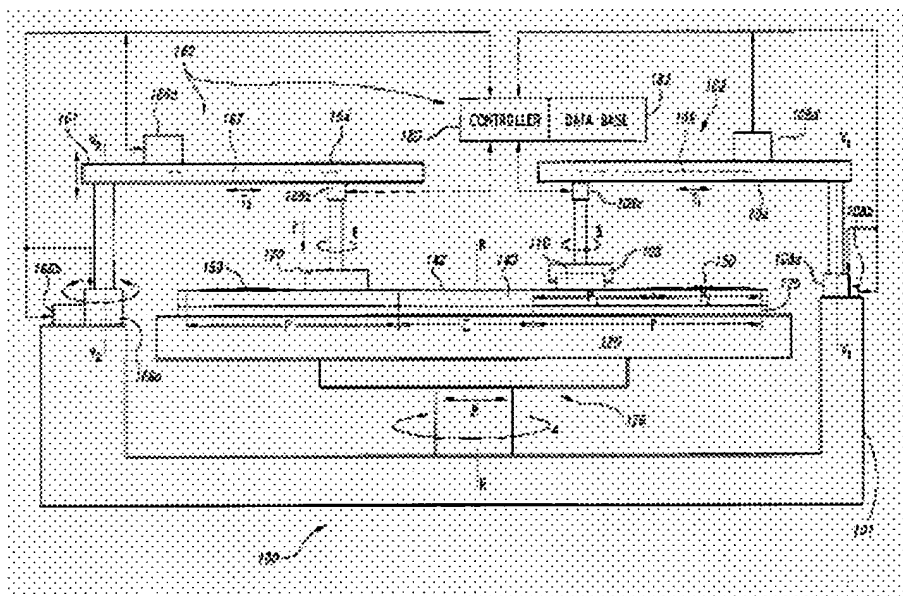
In claim 12, line 7, after "cylindrical" deleted "polishing pad" and substitute thereof "conditioning piece".

In claim 19, line 7, after "cylindrical" deleted "polishing" and substituted thereof "conditioning".

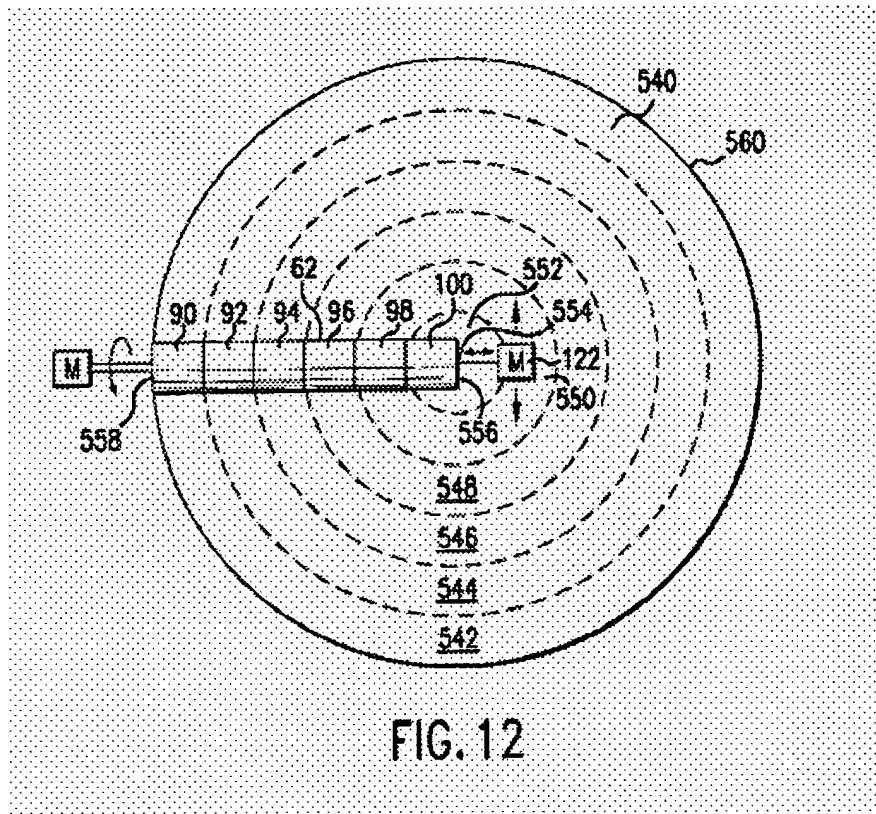
2. The following is an examiner's statement of reasons for allowance: the specific limitations "to linearly translate the at least one cylindrical ... along the length of the control arm" in the combination as claimed in claim 1, "linearly translating the cylindrical ... the longitudinal axis of the control arm" in the combination as claimed in claim 12, and "linearly translate the at least one cylindrical ... along a length of the control arm" in the combination as claimed in claim 19 are not anticipated nor made obvious by the prior art of record in the examiner's opinion. For example, Sandhu et al.'5,975,994

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discloses method and apparatus for selectively conditioning a polished pad used in planarizing substrates. In Figure 2, col. 5, lines 27-52, Sandhu discloses an abrasive disk conditioning element 170 coupled to a translational actuator 136d to linearly translate the conditioning disk 170 along arm 164.



With reference to Figure 12, Chopra et al.'6,196,899 discloses a conditioning device 62 in position to condition a circular polishing pad 540, the radius of the polishing pad 540 is approximately equal to the combined length of the aligned roller segments 90-100. In operation, the roller segments 90-100 are rotated at different speeds to provide different conditioning treatment between the rollers 90-100. In addition, the translational drive means 122 may move the conditioning device 62 to and fro radially with respect to the pad center 554. This to and fro movement ensures that regions between the concentric portions 542-552 are conditioned even though there are spaces between the roller segments.



However, the prior art of record fails to provide or suggest the specific limitations “to linearly translate the at least one cylindrical ... along the length of the control arm” in the combination as claimed in claim 1, “linearly translating the cylindrical ... the longitudinal axis of the control arm” in the combination as claimed in claim 12, and “linearly translate the at least one cylindrical ... along a length of the control arm” in the combination as claimed in claim 19.

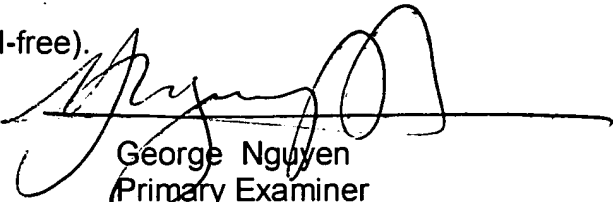
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Any inquiry concerning this communication or earlier communications from the examiner should be directed to George Nguyen whose telephone number is 571-272-4491. The examiner can normally be reached on Monday-Friday/630AM-300PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Hail can be reached on 571-272-4485. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*George Nguyen*  
*Primary Examiner*



George Nguyen  
Primary Examiner  
Art Unit 3723

GN – June 10, 2005